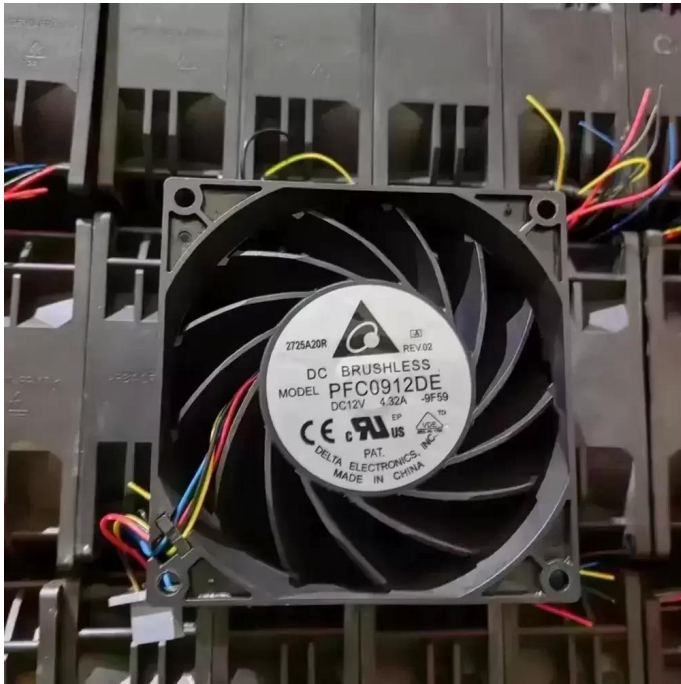


# PFC0912DE-9F59 Delta 12VDC 90x90x38mm PWM Control Axial Fan Datasheet



**Brand:** Delta

**SKU:** [897087707544](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$16.99**

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/pfc0912de-9f59-delta-12vdc-90x90x38mm-pwm-control-axial-fan>

## Product Description

The Delta PFC0912DE-9F59 is a high-performance industrial axial fan designed to deliver extreme airflow and static pressure for mission-critical thermal management applications. Engineered with Delta's advanced DC motor technology, this unit features a robust dual ball bearing system that ensures exceptional longevity and rotational stability even under continuous high-speed operation. The 90mm x 38mm form factor allows for a substantial impeller geometry, maximizing air throughput to effectively dissipate heat in high-impedance systems. With a power rating of 4.32A, this fan is capable of generating significant pressure heads, making it suitable for dense electronic enclosures. The integration of a 4-wire interface supports Pulse Width Modulation (PWM) speed control, allowing for dynamic adjustment of cooling performance based on real-time thermal demands.

Model Number: PFC0912DE-9F59

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 8.0 - 13.2 VDC

Rated Current: 4.32 A

Power Consumption: 51.84 W

Rated Speed: 7500 RPM

Bearing Type: Dual Ball Bearing  
Max. Air Flow: 175.03 CFM (297.3 m<sup>3</sup>/h / 4.95 m<sup>3</sup>/min)  
Max. Static Pressure: 35.2 mmH<sub>2</sub>O (345 Pa / 1.38 inH<sub>2</sub>O)  
Dimensions: 90mm x 90mm x 38mm  
Weight: 250 g  
Noise Level: 66.5 dBA  
Speed Control: PWM (Pulse Width Modulation)  
Termination: 4-Wire Lead  
Housing Material: Plastic (UL94V-0)  
Blade Material: Plastic (UL94V-0)  
Operating Temperature: -10°C to +60°C  
Storage Temperature: -40°C to +70°C  
Life Expectancy: 70,000 Hours at 40°C  
Ingress Protection: IP51  
Safety Certifications: UL, cUL, TUV, CE

The PFC0912DE-9F59 is engineered for demanding applications where standard cooling solutions fail to provide adequate thermal relief. It is extensively utilized in high-density server racks, blade servers, and telecommunications base stations where overcoming system impedance is critical. Additionally, the PFC0912DE-9F59 serves as a vital component in industrial automation setups, CNC machinery control cabinets, and medical diagnostic equipment, ensuring that sensitive electronics operate within safe temperature ranges despite heavy workloads and restricted airflow paths.

## Supplemental Images

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